

What is claimed is:

1 1. A receiver used in a spread spectrum communication
2 system, comprising:

3 a base band signal power-detecting unit for detecting power
4 of a base band signal which is obtained by analog to digital (A/D,
5 hereinafter) converting an output of a quadrature demodulator,
6 wherein said quadrature demodulator quadrature demodulates
7 an intermediate frequency signal outputted from an automatic gain
8 control (AGC, hereinafter) amplifier,

9 a symbol rate signal power-detecting unit for detecting power
10 of a symbol rate signal which is obtained by despreading
11 said base band signal,

12 an error rate-detecting unit for detecting an error rate
13 of a desired wave on a basis of said symbol rate signal, and

14 an AGC amplifier-controlling unit for controlling a gain
15 of said AGC amplifier depending on outputs of said base band signal
16 power-detecting unit, said symbol rate signal power-detecting
17 unit and said error rate-detecting unit.

1 2. A receiver used in a spread spectrum communication system
2 according to claim 1, wherein:

3 said AGC amplifier-controlling unit decreases said gain of
4 said AGC amplifier, when a signal to noise (S/N, hereinafter) ratio
5 of said desired wave is judged to be high on a basis of said output
6 of said symbol rate signal power-detecting unit.

1 3. A receiver used in a spread spectrum communication system

2 according to claim 1, wherein:

3 said AGC amplifier-controlling unit increases said gain of
4 said AGC amplifier so that said output of said symbol rate signal
5 power-detecting unit coincides with a reference symbol rate signal
6 power, when a S/N ratio of said desired wave is judged to be low
7 on a basis of said output of said symbol rate signal power-detecting
8 unit.

1 4. A receiver used in a spread spectrum communication
2 system according to claim 1, wherein:

3 said AGC amplifier-controlling unit decreases a
4 predetermined reference symbol rate signal power, when an error
5 rate of said desired wave detected on a basis of said symbol rate
6 signal is low, and decreases said gain of said AGC amplifier so
7 that said output of said symbol rate signal power-detecting unit
8 coincides with said decreased reference symbol rate signal power.

1 5. A receiver used in a spread spectrum communication
2 system according to claim 1, wherein:

3 said AGC amplifier-controlling unit increases a
4 predetermined reference symbol rate signal power, when said error
5 rate of said desired wave detected on a basis of said symbol rate
6 signal is high, and increases said gain of said AGC amplifier so
7 that said output of said symbol rate signal power-detecting unit
8 coincides with said increased reference symbol signal power.

1 6. A receiver used in a spread spectrum communication
2 system according to claim 1, wherein:

3 said AGC amplifier-controlling unit is supplied with an
4 output of a means for detecting power of one of physical channels
5 instead of said output of said symbol rate signal power-detecting
6 unit.